**Defect Report 4: Flight Search Results Not Displayed**

**Bug Name**: Flight search results are not displayed when valid inputs are provided.

**Bug ID**: DABBS-4

**Component**: Flight Booking > Search Flights

**Version**: 2.3.4

**Severity**: High

**Priority**: High

**Assigned To**: Uday Puttireddi

**Reporter**: Uday Puttireddi

**Report Date**: 12/2/2024

**Status**: In Progress

**Environment**: Windows 10/Chrome 132.0

**Description**:   
Flight search functionality fails to display results when valid departure and arrival locations, along with a travel date, are entered, even though relevant flights exist in the database.

**Steps To Reproduce**:

1. Log in to the application.
2. Navigate to the "Search Flights" page.
3. Enter valid departure and arrival locations.
4. Select a valid travel date.
5. Click on the "Search" button.
6. Observe that no search results are displayed.

**Expected Result**:   
Search results for flights matching the criteria should be displayed.

**Actual Result**:   
No results are displayed, and no error message is provided.

**Defect Report 5: Seat Reservation Overbooking**

**Bug Name**: Duplicate seat assignments occur for the same flight.

**Bug ID**: DABBS-5

**Component**: Seat Selection > Reservation

**Version**: 3.2.4

**Severity**: High

**Priority**: High

**Assigned To**: Uday Puttireddi

**Reporter**: Uday Puttireddi

**Report Date**: 12/2/2024

**Status**: In Progress

**Environment**: Windows 10/Chrome 132.0

**Description**:   
The system allows users to book a seat already reserved by another passenger, leading to duplicate assignments for the same flight and seat.

**Steps To Reproduce**:

1. Log in as User A.
2. Navigate to the flight reservation page.
3. Select a flight and book a specific seat.
4. Log in as User B.
5. Select the same flight and attempt to reserve the same seat.
6. Complete the booking process as both users.
7. Observe that both bookings are confirmed for the same seat.

**Expected Result**:   
The system should restrict seat booking to prevent duplicate reservations, displaying an error message if the seat is already booked.

**Actual Result**:   
Both reservations are confirmed, assigning the same seat to two different passengers.

**Defect Report 6: Payment Method Update Failure**

**Bug Name**: Payment method update not saved in user profile.

**Bug ID**: DABBS-6

**Component**: Payment > Payment Methods

**Version**: 3.2.4

**Severity**: Medium

**Priority**: High

**Assigned To**: Uday Puttireddi

**Reporter**: Uday Puttireddi

**Report Date**: 12/2/2024

**Status**: In Progress

**Environment**: Windows 10/Chrome 132.0

**Description**:   
Newly added or updated payment methods do not appear in the user's saved payment methods list, despite showing a success message.

**Steps To Reproduce**:

1. Log in to the application.
2. Navigate to "Payment Methods" in account settings.
3. Click "Add Payment Method."
4. Enter valid payment details.
5. Save the payment method.
6. Log out and log back in.
7. Check the saved payment methods list.
8. Observe that the added payment method is not saved.

**Expected Result**:   
The new payment method should be saved and displayed in the user's account for future use.

**Actual Result**:   
The new payment method is not saved, and the user is required to re-enter details during future transactions.

**Metrics for Defect 5: Seat Reservation Overbooking**

| **Metric Name** | **Value/Description** |
| --- | --- |
| **Defect ID** | DABBS - 5 |
| **Defect Type** | Functional Defect |
| **Severity** | High |
| **Priority** | High |
| **Defect Detection Phase** | System Testing |
| **Defect Impact** | Severe – Leads to duplicate seat assignments, causing operational and customer dissatisfaction |
| **Root Cause Analysis** | Lack of validation checks to prevent duplicate seat bookings |
| **Reproducibility** | 100% |
| **Test Case ID** | TC\_SEAT\_RESERVATION\_005 |
| **Resolution Time** | 12-24 hours |